CYPHASPIS BURMEISTER, 1843 (TRILOBITA): PROPOSED DESIGNATION OF TYPE SPECIES UNDER THE PLENARY POWERS. Z.N.(S.)2257

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Burmeister, 1843, Organisation u. Uebersicht Trilobiten, p. 103, erected Cyphaspis for specimens he wrongly identified with Calymene clavifrons Dalman, 1827, Om palaeaderna, p. 260. Burmeister stated that this species was the only one he could definitely assign to the genus and under the provisions of Art. 70 Calymene clavifrons Dalman, 1827 would be the type species of Cyphaspis by monotypy. Since Burmeister misidentified that species, under Art. 70a the case is referred to the Commission for a solution.

2. Burmeister, 1846, Organisation of trilobites, p. 99, realised that he had been wrong in assigning his material to Dalman's species and correctly identified his specimens with Phacops ceratophthalmus Goldfuss, 1843, Neues Jb. Miner. Geol. Paläont., p. 564.

3. Angelin, 1854, Palaeontologica Scandinavica, p. 32, erected Cyrtometopus with Calymene clavifrons Dalman as type by monotypy. Were the Commission to rule that C. clavifrons Dalman is the type species of Cyphaspis, Cyrtometopus would be a junior synonym. Cyrtometopus is a well-established genus of the CHEIRURIDAE. If the proposals introduced here are supported,

the genus can continue to be used in its accepted sense.

4. Richter & Richter, 1926, Abh. preuss. geol. Landesanst., vol. 99, p. 95, attributed Cyphaspis to Barrande, 1846, Notice préliminaire with C. burmeisteri Barrande, 1846, Notice préliminaire, p. 59, as type species. They rightly indicated that C. burmeisteri is conspecific with Otarion diffractum Zenker, 1833, Naturgeschichte der Urwelt, p. 44, type species by monotypy of Otarion (Opinion 88) (1925, Smithson. misc. Collns, vol. 73, p. 23-26; Direction 67, Ops. Decls. Int. Comm. zool. Nom., vol. 1E, pp. 111-128, 1957). The Richters consequently considered Cyphaspis to be a junior subjective synonym of Otarion Zenker, 1833.

5. Prantl & Přibyl, 1951, Stát. geol. Úst. Česk. Rep., vol. 17, p. 444-445, correctly indicated that Burmeister, 1843, was the author of Cyphaspis and that he erected the genus for specimens belonging to Phacops ceratophthalmus Goldfuss. Prantl & Přibyl

regarded C. ceratophthalmus and O. diffractum as congeneric and consequently considered Cyphaspis to be a junior subjective syno-

nym of Otarion,

6. Thomas & Owens, 1978, Palaeontology, vol. 21, pp. 70-71, examined topotype material of C. ceratophthalmus and O. diffractum and listed characters which they believed justified separation at the generic level. Thomas & Owens incorrectly regarded C. ceratophthalmus as the type species of Cyphaspis by subsequent designation of Burmeister, 1846.

7. It is in the interests of nomenclatural stability and uniformity to regard *C. ceratophthalmus* as the type species of *Cyphaspis*. Such usage preserves Burmeister's original concept of the genus and the view later workers have had of it; the stability of *Cyrtometopus* is also ensured. The nomenclatural confusion surrounding *Cyphaspis* has arisen partly because of Burmeister's original misidentification of the type species and partly because of the Richters' incorrect attribution of the genus to Barrande.

8. The Commission is accordingly asked:

(1) to use its plenary powers to set aside all designations of type species hitherto made for *Cyphaspis* Burmeister, 1843, and, having done so, to designate *Phacops ceratophthalmus* Goldfuss, 1843 as the type species of that genus;

(2) to place the generic name *Cyphaspis* Burmeister, 1843 (gender: feminine), type species, by designation under the plenary powers in (1) above, *Phacops ceratophthalmus* Goldfuss, 1843, on the

Official List of Generic Names in Zoology;

(3) to place the specific name ceratophthalmus Goldfuss, 1843, as published in the binomen Placops ceratophthalmus (specific name of type species of Cyphaspis Burmeister, 1843) on the Official List of Specific Names in Zoology;

(4) to place the generic name *Cyrtometopus* Angelin, 1854 (gender: masculine), type species, by monotypy, *Calymene clavifrons* Dalman, 1827, on the

Official List of Generic Names in Zoology.

(5) to place the specific name clavifrons Dalman, 1827, as published in the binomen Calymene clavifrons (specific name of type species of Cyrtometopus Angelin, 1854), on the Official List of Specific Names in Zoology.